## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION ~                | initials | ID NO | DATE     |
|---------------------------|----------|-------|----------|
| FEE DETERMINATION         |          |       |          |
| O.I.P.E. CLASSIFIER       |          | X     | 02/09/01 |
| FORMALITY REVIEW          | ew       | 949   | 4/10/07  |
| RESPONSE FORMALITY REVIEW | som      | 637   | 7/26/01  |
|                           | / /      | ì     |          |

## INDEX OF CLAIMS

| ✓ Rejected                   | N Non-elected  |
|------------------------------|----------------|
| = Allowed                    | I interference |
| — (Through numeral) Canceled | A Appeal       |
| ÷ Restricted                 | O Objected     |

|   |               |   |           |          |      |                         |        |    |   |          |   |            |          |          |  |     |          |          |             |          |   |              |               |              |  |          |          |                | ي د ي |          |            |          |  |              |          |              |    |          |  |              |   |
|---|---------------|---|-----------|----------|------|-------------------------|--------|----|---|----------|---|------------|----------|----------|--|-----|----------|----------|-------------|----------|---|--------------|---------------|--------------|--|----------|----------|----------------|-------|----------|------------|----------|--|--------------|----------|--------------|----|----------|--|--------------|---|
| [ | lak           | im Date 7201 9 70 70 70 70 70 70 70 70 70 70 70 70 70 |           |          |      |                         |        |    |   |          | ] | Claim Date |          |          |  |     |          |          |             |          |   |              | CI            | aim          | Date                                   |          |          |                |       |          |            |          |  |              |          |              |    |          |  |              |   |
| Γ | $\overline{}$ | Original  | 12/0/01   | 030      | 1    | 10/1/02                 | 110/20 | 1  | , |          | T |            |          |          |  |     | Final    | Original |             |          |   |              |               |              |  |          |          |                |       | Final    |            |          |  |              |          |              |    |          |  |              |   |
|   | 7             | 0   | 3         | V        | ₹.   | V                       | 1      | 7  | _ |          | Ι |            |          |          |  |     |          | 51       | 1           |          |   |              |               |              |  |          |          |                |       |          | 101        |          |  |              |          | L            | L  | _        | L  | L            | 1 |
|   | 1             | 2   | ī         | Ш        | I    | ľ                       |        |    | _ | L        | Ι | $\Box$     |          |          |  |     |          | 52       |             | L        |   |              |               |              | _                                      | L        | L        |                |       | <u>_</u> | 102        | _        | L                                      | _            | L        | L            | L  | ↓_       | ↓_   | Ļ            | 1 |
|   | 1             | 3   | Ι         | П        |      |                         |        |    |   | L        | I |            |          |          | L                                      | ]   | L        | 53       |             | L        | L                                       | _            | Ŀ             | L            |  | L        | L        | _              |       | 1:-      | 103        |          | _                                      | _            | L        | L            | 1  | L        | L  | ╀            | 1 |
|   | 1             | 4   | 1         | П        | 4    | L                       | Ц      | 4  | _ | _        | 1 | 4          |          |          | -                                      | ∤   | _        | 54       |             | ├-       | ├-                                      | <del> </del> |               | -            | -                                      | -        | -        | -              |       | -        | 104        | _        | ļ                                      | -            | _        | ├-           | ├- | ╀        | ╀  | ╀            | + |
| L | 4             | 5   | 4         | Ш        | 4    | 1                       | Ц      | 4  |   | ├-       | + | 4          |          |          | -                                      | 1   | -        | 58<br>56 |             | -        | ├-                                      | -            | -             | -            | -                                      | -        | -        | -              |       | -        | 106        |          | -                                      |              | -        | ┝            | ├  | ╁        | ╁  | ╁            | t |
| ŀ | 4             | 8   | +         | Н        | +    | H                       | Н      | +  |   | ┝        | + | +          | -        |          | -                                      | 1   | -        | 57       |             | ├-       | +-                                      | -            | -             | -            | -                                      | ├-       | -        | -              | 1     | -        | 107        | -        | -                                      | -            | ┝        | ├-           | ١. | +        | ╆╌   | †-           | t |
| - | +             | 8   | +         | Ш        | ╀    | +                       | H      | +  |   | ├-       | ╁ | +          |          |          | -                                      | 1   | -        | 58       | _           | -        | -                                       | $\vdash$     | -             | -            | -                                      | -        | -        | -              |       | -        | 108        | _        | -                                      | -            | -        | <del> </del> | T  | $\vdash$ | <del>                                     </del> | 1            | t |
| ŀ | +             | 9   | +         | Н        | t    | t                       | H      | +  |   | +        | ╁ | +          | -        |          | -                                      | 1   | 十        | 59       | -           | 1        | $\vdash$                                | $\vdash$     | <del> -</del> | -            |  | -        | -        |                | l     |          | 109        |          | _                                      | $\vdash$     |          | 1            |    |          | 1  | 1            | T |
| + | +             | 10  | $\dagger$ | H        | +    | t                       | H      | †  | _ | $\vdash$ | † | 7          | _        |          | 1                                      | 1   |          | 60       |             | 1        | T                                       |              | _             | -            |  | _        |          |                | 1     |          | 110        |          |  | _            |          |              | 1  |          | 1  |              | T |
| + | 7             | 11  | †         | Н        | +    | t                       | H      | †  |   | 1        | † | 7          |          | -        |  | 1   |          | 61       | i           |          |   |              |               |              |  |          |          |                |       |          | 111        |          |  |              |          |              |    |          | 1  | L            | Ι |
| 1 | 2             | 12  | 1         | П        | T    | T                       | 1      | 1  | _ |          | T |            |          |          |  |     |          | 62       |             |          |   |              |               |              |  |          |          |                | 1     |          | 112        |          |  | Ŀ            |          |              | L  | L        | L  | Ľ            | ŀ |
| P | 1             | 13  | T         | П        | I    |                         | 1      | I  |   |          | Ι | 1          |          |          |  | ]   |          | 63       |             |          |   |              |               |              |  |          |          |                |       | L        | 113        |          | L                                      | L            | L        | L            | Ŀ  | 1        | 12.  | L            | 1 |
| E | _1            | 14  | I         | П        | I    |                         | Δ      | I. |   |          | I |            |          |          |  | 1   | L        | 64       |             | _        | L                                       | _            | _             | L            | Ŀ                                      | ļ        | _        | L              |       | _        | 114        | _        | _                                      | _            | <u> </u> | L            | 1  | 1        | 1  | Ŀ            | 1 |
| Ŀ |               | 15  | 1         | Ц        | Γ    | L                       | Ц      | 4  |   | L        | 1 | 4          | _        |          | _                                      |     | 1        | 65       |             | <u> </u> | L                                       | <u> </u>     | <u> </u>      | _            | _                                      | <u> </u> | _        | _              | 1     | L        | 115        |          | L_                                     | <u> </u>     | -        | -            | 1  | ┼-       | ├-   | <del> </del> | ÷ |
| L |               | 16  | 4         | #        | 4.   | IJ                      | Ų      | Ļ  |   | ┞-       | + | 4          | _        | _        | <u> </u>                               | 1   | -        | 66       |             | ├-       | -                                       | -            | -             | -            | -                                      | vi       | <u> </u> | -              |       | -        | 116<br>117 |          | _                                      | <u> </u>     | -        | -            | H  | ╀╌       | ╁  | $\vdash$     | + |
|   | _             | 12  | +         | ₩        | 1    | V                       | 7      | 4  | _ | ├-       | + | 4          |          | _        | _                                      | 1   | -        | 67<br>68 |             | ├        | ⊬                                       | -            | -             | i-           |  | l-       | -        | -              | İ     | $\vdash$ | 118        | -        | -                                      | ├            | -        | ╁            | ╁╌ | +-       | ╁╴   | ┢            | + |
| - |               | 19  | 4         | ¥        | 1,   | 7                       | ŀ      | ᅪ  |   | ╀        | + | 4          |          | -        | -                                      | 1   | $\vdash$ | 69       |             | ├        | ┝                                       | -            | -             | -            | -                                      | -        | -        | -              |       | $\vdash$ | 119        | -        | -                                      | ├-           | -        | 1            | -  | +        | ╁╌   | H            | t |
| - | -             | _   | +         | V        | 4    | ¥                       | 1      | H  | _ | ╀        | ╀ | -          |          | <u> </u> | ┝                                      | 1   | -        | 70       |             | ├-       | ┝                                       |              | -             | ┝            | -                                      | -        | -        | -              |       | $\vdash$ | 120        | -        | H                                      | -            | -        | 1            | ┢  | $t^{-}$  | $\vdash$   | T            | t |
| F | _             | 20  | 4         | <u>.</u> | +    | +                       | Н      | H  | _ | ┞        | + | +          |          | _        | ┝                                      | ∤ . | $\vdash$ | 7        |             | ├        | ├                                       | -            | -             | -            | -                                      | -        | -        | -              |       | $\vdash$ | 121        | -        | -                                      |              | ┝        | ╁            | H  | ╁╴       | ╁  | 十            | t |
| 1 |               | 21<br>22  | Η.        | C        |      | ŀ                       | Н      | H  |   | -        | + | -          |          | -        | ┝                                      | 1   | $\vdash$ | 72       | +-          | ╀─       | ┝                                       | -            | -             | ┝            | -                                      | -        | $\vdash$ | -              | 1     | $\vdash$ | 122        | _        | -                                      | -            | ┝        | ┢            | 1  | $t^-$    | ╁  | +            | t |
| - |               | 23  | +         | ř        |      | +                       | Н      | H  |   | ╀        | ╁ | +          |          | -        | ┝                                      | 1   | $\vdash$ | 73       |             | $\vdash$ | ┼~                                      | -            | -             | ┢            | -                                      | -        | -        | -              |       | $\vdash$ | 123        |          | _                                      | <u> </u>     | 1-       | $\vdash$     | 1  | †        | $\vdash$   | $\vdash$     | t |
| 1 |               | 24  | +         | V        | 4    | Ą                       | К      | 1  |   | ╁        | + | 7          | -        | _        | ┢                                      | 1   | -        | 74       |             | $\vdash$ | $\vdash$                                | 1            | $\vdash$      | -            |  | $\vdash$ |          |                | 1     |          | 124        |          |  |              |          | $\vdash$     | T  |          |  |              | T |
| H | ┪             | Ŧ   | +         | -        | -+-  | -                       | ۲      | +  | _ | t        | + | 7          |          |          | $\vdash$                               | 1   |          | 75       | 1           |          |   |              | $\vdash$      |              |  |          | Г        |                | 1     |          | 125        |          |  |              |          | Г            | Γ  | Τ        | Г  |              | Τ |
| İ | ď             | 1   | 1         | 1_       | +    |                         |        | †  | _ | 1        | † | 7          |          | _        | T                                      | 1   |          | 76       | 1           | $\Box$   |   |              | Г             | _            |  |          |          |                | ]     |          | 126        |          |  |              |          |              |    |          |  |              | Ι |
| F | 7             | EZ.   | )         | T        | †    | V                       | 7      | 1  |   | $\vdash$ | † | 7          | _        |          | Г                                      | 1   |          | 77       |             |          |   |              |               |              |  |          |          |                |       |          | 127        |          |  |              |          |              | L  |          | L  | L            | I |
| 1 | 7             | 28  |           |          | 1    | 1                       |        | П  |   |          | Ι |            |          |          |  | ]   |          | 78       |             | $\Box$   |   |              |               | L            |  |          | L        | _              |       | L        | 128        |          | L                                      | L            | L        | L            | L  | 1        | <u>_</u>   | L            | 1 |
|   |               | 29<br>30  |           | $\prod$  | I    | Ι                       |        | П  | _ | L        | 1 |            | _        |          | L                                      | ]   | L        | 79       |             | L        | L                                       | _            | L             | L_           | _                                      | L        | L        | <u> </u>       | 1     | _        | 129        |          | <u> </u>                               | _            | L        | <u> </u>     | L  | ↓_       | ↓_   | ↓_           | 4 |
|   | 1             | <u> 30</u>  |           | L        | J    | I                       |        | Ц  |   | L        | 1 | _          |          | L.       | L                                      | 1   | L        | 80       |             | <u> </u> | <u> </u>                                | <b>!</b>     | 1             | L            | <b> </b>                               | 1_       | <u> </u> | <u> </u>       | ļ     | -        | 130        | _        | _                                      | <u> </u>     | ┞        | ┞-           | ├- | ┼        | ╄-   | ┼-           | ╀ |
| L |               | 31  | L         | ╀        | 1    | $\overline{\mathbf{v}}$ |        | 1  | _ | 1        | 1 | 4          | _        | L        | <u> </u>                               | 1   | <u>_</u> | 8        | <del></del> | ╄        | ├-                                      | ↓_           | -             | <del> </del> | -                                      | ├-       | ┡-       | <del> </del>   | 1     | -        | 131        | <u> </u> | <u> </u>                               | <del> </del> | ┝        | $\vdash$     | ├- | ╀        | ╁  | ╀╌           | ╁ |
| Ţ | 4             | 32  | Ļ         | F        | 4    |                         | 1      | 4  |   | ╄-       | 4 | 4          |          | -        | -                                      | ┨   | $\vdash$ | 82       |             | ┼-       | ╀                                       | ├            | ├             | ├            | ╀─                                     | -        | ├-       | ├-             | ┨     | -        | 133        | <u> </u> | -                                      | ├            | ┝        | ╀            | ╁╴ | ╁        | ╁╌   | ╁╌           | + |
| } | 4             | 25<br>34  | ŀ         | ╀        | 4    | _                       | ┞      | -  | _ | ╀        | + | $\dashv$   | _        | -        | -                                      | -   | -        | 82       |             | ┼-       | ╀╌                                      | ├-           | ├-            | ├            | ┼─                                     | -        | ├        | ┝              | 1     | -        | 134        | -        | -                                      | ╁            | ╁        | +-           | +- | +-       | +-   | 十            | t |
| ᆉ |               | 35  | ├         | ╁        | +    | -                       | -      | +  | _ | ╁        | + | -          | -        | -        | +-                                     | 1   | -        | 85       |             | +-       | ╁                                       | ╁╴           | -             | -            | $\vdash$                               | ┝        | -        | <del>  -</del> | 1     | -        | 135        | -        | -                                      | ╁╴           | $\vdash$ | +            | †  | $^{+}$   | +  | $\vdash$     | t |
| 1 | 7             | 36  | ╀─        | +        | +    | _                       | t      | +  |   | ╁        | + | -1         | -        | ┝        | +                                      | 1   | -        | 86       |             | $\vdash$ | 1-                                      | $\vdash$     | +-            | 1            | ┼                                      | ┢        | 1        | ✝              | 1     | 1        | 136        | Ι-       | 1                                      | $\vdash$     | $\vdash$ | T            | T  | T        | $\top$   |              | T |
| t | $\dashv$      | 37  | ┢         | ╁        | +    | _                       | t      | 7  | _ | †        | + | ㅓ          |          | $\vdash$ | $\vdash$                               | 1   | <b> </b> | 87       | 7           | Τ-       | T                                       | $\vdash$     |               | 1            | 1                                      | $\vdash$ | T        | T              | 1     |          | 137        |          | T                                      | 1            | 1        | T            | T  | T        |  |              | Ι |
| t | ┪             | 38  | 1         | t        | 1    | _                       | t      | 7  | _ | †        | † | 7          | _        | 1        | 1                                      | 7   | <u> </u> | 88       | 3           | T        | 1                                       | $\vdash$     | 1             |              |  | T        |          | T              | 1     |          | 138        |          | 1                                      | Γ            |          | T            |    | L        | L  | L            | I |
| ı | ٦             | 39  | Τ         | +        | 7    | _                       | 1      | 7  | _ | 1        | 1 |            |          | 1        | T                                      | 1   |          | 8        | 9           |          |   |              |               |              |  |          |          |                | ]     |          | 139        |          |  |              |          | L            | L  | L        | L  | L            | 1 |
| r |               | 40  | Г         | 1        | 1    | _                       | T      | 1  |   | 1        | T |            |          | Γ        | T                                      | 7   |          | 90       | 9           | Т        | Τ                                       | Т            | Т             | Γ            | T                                      | Τ        | [        |                | ]     |          | 140        |          |  |              | L        | L            | L  | L        | 1  | L            | 1 |
| Ī |               | 41  | Г         | T        | 7    | _                       | T      |    |   | T        | 7 |            | Г        | Γ        | T                                      | 7   |          | 9        | 1           | T        | T                                       | T            | T             | Г            | Τ                                      | Г        | Γ        | Г              | 1     |          | 141        |          | Γ.                                     |              | L        | L            | L  | <u>L</u> | L  | L            | 1 |
| 1 | ╗             | 42  | Τ         | 十        | 7    | _                       | T      | ٦  | Γ | T        | 7 |            | 1        | Γ        | T                                      | 1   | $\Gamma$ | 9        | 2           | 1        | T                                       |              |               |              |  | Γ        | Ī        |                | ]     |          | 142        |          |  |              |          | L            | L  | L        | 1_   | ⇂            | ļ |
|   |               | 43  |           | I        |      | _                       | I      |    |   |          | 1 |            |          |          | L                                      | ]   |          | 9        |             |          | $\Box$                                  | L            | I             |              |  | L        | $\Box$   | $\Box$         | ]     | $\Gamma$ | 143        |          | L                                      | L            | L        | 1            | 1  | $\perp$  | 4  | 4            | + |
|   |               | 44  |           | I        | J    | _                       | I      | J  |   | I        | I |            |          |          |  |     |          | 9        |             |          | L                                       |              |               | L            | L                                      |          | 1        | L              | 1     | _        | 144        | 1        | L                                      | L            | 1        | 1            | 4  | +-       | 4  | 1            | + |
|   | _             | 45  |           | I        | _    | _                       | I      | I  | Ĺ | I        | I | _          | L        | $\Gamma$ | $\Box$                                 | ]   | L        | 9        |             | I        | L                                       | L            | L             | L            | L                                      | L        | Ĺ        | L              | 1     | L        | 145        | -        | L                                      | 1            | +        | 1            | 4  | +        | +  | +            | + |
| 1 | _             | 46  | -         | 1        | _    |                         | 1      | 4  | L | 1        | 4 |            | <u> </u> | 1        | $\perp$                                | 1   | _        | 9        |             | 1        | $\perp$                                 | 1            | 1             | 1            | 1                                      | ╀        | 1        | 1              | 1     | $\vdash$ | 146        |          | 1                                      | ↓            | +-       | +            | +  | +-       | +  | +            | + |
| 1 |               | 47  | 1_        | 1        | _    |                         | 1      | _  | L | +        | 4 |            | 1        | 1        | 1                                      | 4   | -        | 9        |             | 1        | 4                                       | 1            | 1             | $\perp$      | ↓                                      | 1        | $\perp$  | 1              | -     | 1        | 147        | _        | ┞-                                     | 1            | +        | +            | +  | +        | +-   | +            | + |
| ł | _             | 48  |           | +        | _    | _                       | +      | _  | - | +        | 4 |            | -        | +        | 4                                      | -   | $\vdash$ | 9        |             | +        | +                                       | +-           | +             | 1-           | +-                                     | ╀        | +        | ╀              | 1     | $\vdash$ | 148        | -        | +                                      | +-           | ╁        | ╁            | ╁  | +-       | +-   | +            | + |
| 1 |               | 50  |           | +        | 4    | _                       | +      | _  | - | +        | 4 |            | -        | +        | +                                      | 4   | +        | 9        |             | +        | +                                       | +            | +             | +            | +-                                     | +        | +        | +              | 1     | $\vdash$ | 149        |          | +                                      | ╁            | +-       | +            | 十  | +-       | +  | t            | t |
| l | _             | )c  | 1_        | _        | لـــ | Ц.                      | 4      | _  | _ | 1        | 4 |            | L_       | L.,      | _ـــــــــــــــــــــــــــــــــــــ | ٢   | $\vdash$ | 110      | М.          | 丄        | ـــــــــــــــــــــــــــــــــــــــ |              | 1_            | 1            | ــــــــــــــــــــــــــــــــــــــ | 1_       | _        |                | J     | L        | احرا       | 1_       | ــــــــــــــــــــــــــــــــــــــ | 1_           |          |              |    |          |  |              | - |

If mor than 150 claims or 10 actions staple additional sheet here

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